

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Entitled:
R.W. FREDENBERG)
Serial No.: Filed Herewith) NONDESTRUCTIVE EXAMINATION OF HIGH
) PRESSURE TURBINE CYLINDERS
) Atty Docket No. WESD 2003-001

August 22, 2003

**Eckert Seamans Cherin & Mellott
600 Grant Street, 44th Floor
Pittsburgh, PA 15219-2788**

**Commissioner for Patents
MAIL STOP PATENT APPLICATION
P.O. Box 1450
Alexandria, VA 22313-1450**

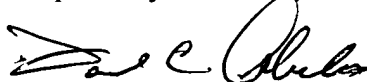
Dear Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98, Applicant submits herewith copies of the prior art documents cited on the attached Forms PTO/SB/08A & B for consideration during prosecution of the subject Application.

This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the examiner of the art cited or an independent search by the examiner, and no representation of any nature is made or intended by the filing of this Statement.

In addition to the art cited on Forms PTO/SB/08A & B, Applicant and/or his attorneys may have been exposed to or considered additional art relating to the general class of the subject matter of the invention. However, if in fact such exposure or consideration has occurred, to the best of their recall or judgment, none of such art is prior art which is more relevant than the art cited.

Respectfully submitted,



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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number | |
| | | | | Filing Date | |
| | | | | First Named Inventor | Richard W. Fredenberg |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | I | of | 2 | Attorney Docket Number | WESD 2003-001 |

[illegible]

| FOREIGN PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|---|--------------------------------|--|---|------------------|
| Examiner Initials ¹ | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Type of Document |
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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office citation issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| | | Filing Date | |
| | | First Named Inventor | Richard W. Fredenberg |
| | | Group Art Unit | |
| | | Examiner Name | |
| Sheet | 2 | of | 2 |
| | | Attorney Docket Number | WESD 2003-001 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| | C | LAREAU et al., Phased Array Imaging First Use Quantification Effort: BWR Feedwater Nozzle Inner Radius Inspection from Vessel OD for a US Nuclear Power Plant, NDT.net - May 2002, Vol. 7 No. 5, found at www.ndt.net/article/v07n05/plis/plis.htm | |
| | D | POGUET et al., Phased Array Technology: Concepts, Probes and Applications, ndt.net - May 2002, Vol. 7 No. 5, found at www.ndt.net/article/v07n05/poguet/poguet.htm | |
| | E | FRANCOIS, Ultrasound Phased Array, NDT.net - May 2002, Vol. 7 No. 5, R/D Tech's Technology Information, found at www.ndt.net/article/v07n05/rdtech/rdtech.htm , | |
| | F | WUSTENBERG et al., Scanning Modes at the Application of Ultrasonic Phased Array Inspection Systems, found at www.ndt.net/article/wcndt00/papers/idn193/idn193.htm | |
| | G | EPRI NEWS RELEASE, Phased Array Ultrasonic Technique from EPRI Improves Turbine Disk Inspection, found at www.epri.com/corporate/discover_epri/news/releases/991216_phased.html | |
| | H | KAWANAMI et al., Development of Phased-Array Ultrasonic Testing Probe, Mitsubishi Heavy Industries, Ltd., Technical Review Vol. 38 No. 3, pp121-125 (Oct. 2001) | |
| | I | NDT RESOURCE CENTER, Inspection Using Magnetic Rubber, found at www.ndt-ed.org/EducationResources/CommunityCollege/MagParticle/TestingPracti... | |
| | J | E1444-01 Standard Practice for Magnetic Particle Examination, Copyright 2003 ASTM International, Book of Standard Volumes 3.03, found at www.astm.org/cai-bin/SoftCart.exe/DATABASE.CART/REDLINE_PAGES/E1444... | |
| | K | Magnetic Particle Inspection, AC 43.13-1B, found at www1.faa.gov/avr/afs/300/pdf/2a-ch5.pdf , Pages 5-19 to 5-30 | |

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